

In the Claims

Please cancel claims 1-18, 21-26, 28-42, and 45-53. Please amend claims 19, 27, and 43 as follows:

1-18 (canceled)

19. (currently amended) A catalyst composition comprising:

a) A cobalt compound; and

b) An iron component ligated with a ligand [The composition of claim 9] wherein the ligand is a 2,6-pyridyl-diimine.

20. (original) The composition of claim 19 wherein the ligand is selected from the group consisting of 2,6-bis (N-phenyl, methylimido) pyridine and 2,6-bis[N-2,6-diisopropylphenyl] methylimido] pyridine.

21-26 (canceled)

27. (currently amended) A catalyst composition comprising:

a) A cobalt compound; and

b) An iron component ligated with a ligand, wherein the ligand is a tertiary diphosphine of the general formula:

RRP-Q-PR'R'

[The composition of claim 22,] wherein both groups R and/or R' form, with the phosphorous atom, a phosphacycloalkane of from 5 to 8 atoms, and Q is an organic bridging group of 2 to 4 atoms in length.

28-42 (canceled)

43. (currently amended) A catalyst composition comprising:

a) A cobalt compound wherein the cobalt compound is a cobalt carbonyl; and

b) An iron component optionally ligated with a ligand selected from the group consisting of N-heterocycle, phosphine, and porphrine moieties.

[The composition of claim 40] wherein the cobalt compound is dicobalt octacarbonyl and the iron component is 2,3,7,8,12,13,17,18-octaethyl-21H, 23H-porphrine iron (III) acetate.

44. (original) The composition of claim 43 wherein the molar ratio of Co:Fe:ligand is about 3:1:1.

45-53 (canceled)